



Security-sensitive Mobile Services



Security Assessment

As phones become more powerful and connected, the applications offered – such as payment and e-ticketing – become more and more security-sensitive.

Trusted Labs offers a wide range of services to meet the security requirements of both mobile network operators and application operators.

Security analysis	Development support	Security evaluation
<p>The first step in integrating a sensitive application in a mobile environment is to ensure that all actors understand each other's requirements.</p> <p>Trusted Labs offers dedicated services powered by its wide range of security tools:</p> <ul style="list-style-type: none"> ❑ General risk analysis, based on the EBIOS methodology, to better understand the security environment and related constraints. ❑ Detailed security analysis, focusing on the specific constraints of a given application deployment, and leading to a security policy specification. 	<p>As sensitive applications are new in the mobile environment, it is important to provide adequate support to developers and to raise their awareness of security issues.</p> <p>Trusted Labs offers:</p> <ul style="list-style-type: none"> ❑ Training sessions on specific topics, including the security of mobile platforms and the security of Java Card™ applications. ❑ Developer guidelines that define the constraints to be taken into account in a given development. 	<p>Security policies and developer guidelines are only efficient if they are enforced. Trusted Labs offers a wide variety of evaluation services:</p> <ul style="list-style-type: none"> ❑ Evaluation process definition, as required for a given application. ❑ Coordination of evaluation activities, which often involve several actors and laboratories. ❑ Platform evaluation services, in particular architectural and logical robustness testing. ❑ Manual and/or partly automated application analysis, to enforce a security policy.

References

Security analysis and development support:

- ❑ Risk analyses for various Mobile, Broadband and PayTV operators.
- ❑ Development of developer guidelines and support documents.

Evaluation activities:

- ❑ Coordination of multiple security evaluations in the context of MasterCard Worldwide's CAST process.
- ❑ Security evaluation of SIM cards and mobile applications for a major French Telecom operator.